

EXHIBIT 1

Teva Pharmaceutical Industries Ltd.

API DIVISION
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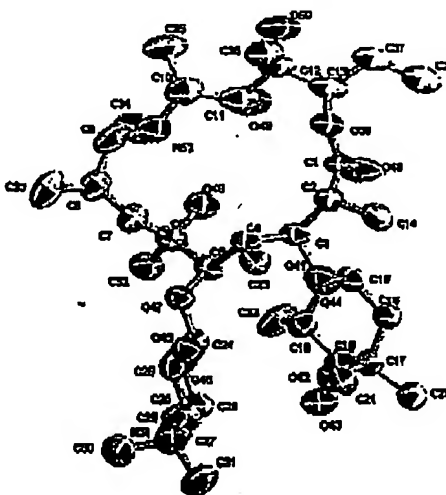
date redacted

TO: MRS. HANNA JUDELMAN
FROM: DR. JUDITH ARONHIME, SOLID STATE CHARACTERIZATION
MANAGER

AZYHTROMYCIN ETHANOLATE
SINGLE CRYSTAL ANALYSIS

A single crystal analysis of Azythromycin ethanolate was performed at the Beer Sheva University by Dr. Arkady Ellern.

His study shows that the crystal structure of Azythromycin ethanolate contains two crystallographic non-equivalent molecules of Azythromycin in the asymmetric unit, two non-crystallographically equivalent molecules of water and one molecule of ethanol. The crystals are monoclinic, space group $P2_1$ with $Z=4$ (molecules of Azythromycin).



ORTEP diagram of one of the Azythromycin molecules in the asymmetric unit at 200K showing thermal ellipsoids at 50% probability level. H-atoms are omitted for clarity. The atoms in the second molecule in the asymmetric unit are chemically equivalent and throughout this report distinguished by a prime.

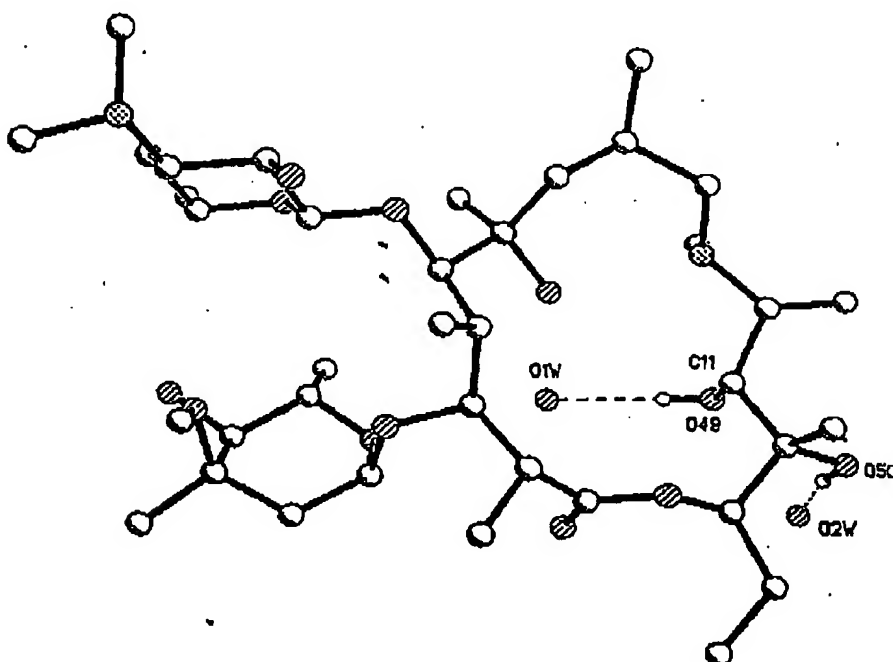
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The first Azythromycin molecule in the asymmetric unit coordinates with two molecules of water, through an intermolecular interaction.



The coordination of two water molecules with one of the Azythromycin molecules in the asymmetric unit. All hydrogen atoms except those forming hydrogen bonds with water molecules omitted for clarity. The distances shown with dashed lines are O1W... H49 2.04 Å, O2W... H50 1.97 Å.

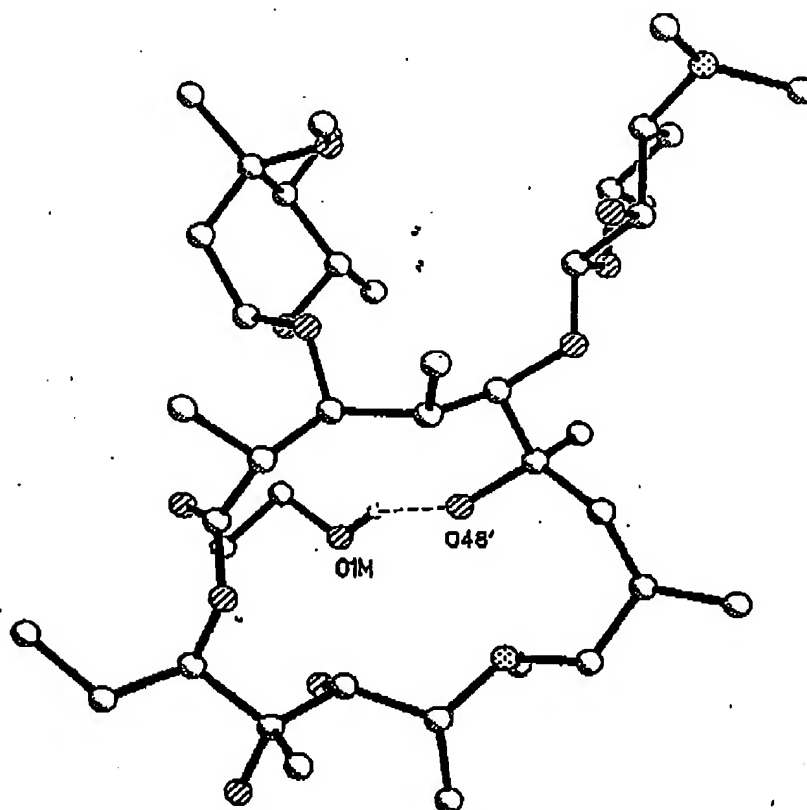
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The second Azythromycin molecule coordinates with one ethanol molecule through an hydrogen bond.



Coordination of EtOH molecule with Azythromycin. All the hydrogen atoms of Azythromycin have been omitted for clarity. The distance H1M...O48' (shown with dotted line) is equal to 2.13 Å.

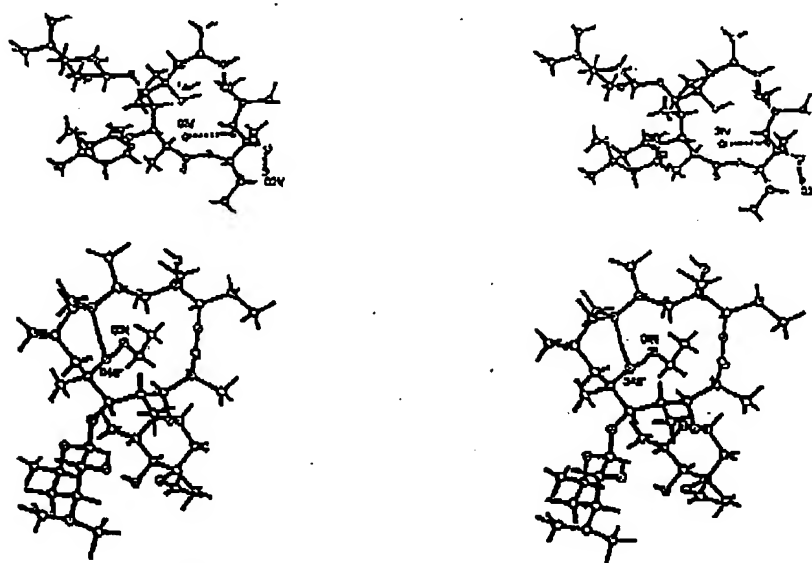
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The Azythromycin single crystal data indicate that the crystal is hemi-ethanolate and monohydrate at the same time.



Stereo view of both crystallographically non-equivalent molecules of Azythromycin in crystal structure at 173K. Dashed lines show the intermolecular interaction with water and ethanol molecules.

Sincerely,

Dr. Judith Aronhime

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